

*search history*

	Type	Hits	Search Text	DBs
1	BRS	879	galactose near2 oxidase	USPAT; US-PGPUB; EPO; JPO; DERWENT;
2	BRS	243	(galactose near2 oxidase) and (mutant or variant)	USPAT; US-PGPUB; EPO; JPO; DERWENT;
3	BRS	876	galactose near1 oxidase	USPAT; US-PGPUB; EPO; JPO; DERWENT;
4	BRS	153	(galactose near1 oxidase) and mutant	USPAT; US-PGPUB; EPO; JPO; DERWENT;
5	BRS	0	(galactose near1 oxidase) and varaint	USPAT; US-PGPUB; EPO; JPO; DERWENT;
6	BRS	10	((galactose near1 oxidase) and mutant) and "494"	USPAT; US-PGPUB; EPO; JPO; DERWENT;
7	BRS	0	((galactose near1 oxidase) and mutant) and enhanc	USPAT; US-PGPUB; EPO; JPO; DERWENT;
8	BRS	110	((galactose near1 oxidase) and mutant) and enhanced	USPAT; US-PGPUB; EPO; JPO; DERWENT;
9	BRS	147	((galactose near1 oxidase) and mutant) and DNA	USPAT; US-PGPUB; EPO; JPO; DERWENT;
10	BRS	105	((galactose near1 oxidase) and mutant) and DNA) and substitution	USPAT; US-PGPUB; EPO; JPO; DERWENT;
11	BRS	6	((galactose near1 oxidase) and mutant) and DNA) and substitution) and fusarium	USPAT; US-PGPUB; EPO; JPO; DERWENT;
12	BRS	2	"6498026"	USPAT; US-PGPUB; EPO; JPO; DERWENT;
13	BRS	1006	galactose near1 oxidase	USPAT; US-PGPUB; EPO; JPO; DERWENT;
14	BRS	5404546	s (galactose near1 oxidase) and dendroides	USPAT; US-PGPUB; EPO; JPO; DERWENT;
15	BRS	35	(galactose near1 oxidase) and dendroides	USPAT; US-PGPUB; EPO; JPO; DERWENT;
16	BRS	13	( (galactose near1 oxidase) and dendroides) and mutants	USPAT; US-PGPUB; EPO; JPO; DERWENT;

	Type	Hits	Search Text	DBs
17	BRS	2	"6498026"	USPAT; US-PGPUB; EPO; JPO; DERWENT;
18	BRS	271	(galactose near1 oxidase) and mutant	USPAT; US-PGPUB; EPO; JPO; DERWENT;
19	BRS	2	"6498026"	USPAT; US-PGPUB; EPO; JPO; DERWENT;

(FILE 'HOME' ENTERED AT 09:40:00 ON 26 OCT 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 09:40:21 ON 26 OCT 2004

L1 3660 S GALACTOSE (2N) OXIDASE  
L2 168 S L1 (10N) (DENDROIDES)  
L3 32 S L2 AND (MUTA? OR VAR? OR MODI? OR SUBTI?)  
L4 25 DUP REM L3 (7 DUPLICATES REMOVED)  
L5 4 S L2 AND (494 OR 537 OR 195)  
L6 1 DUP REM L5 (3 DUPLICATES REMOVED)

=>

L4 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:636230 CAPLUS

DN 135:206456

TI Increased enzymatic activity or thermostability of **variant**  
galactose oxidase and use in oxidation of guar gum in paper manufacturing  
IN Maffia, Anthony M., III; Delagrave, Simon; Murphy, Dennis J.; Rittenhouse,  
Pruss Jennifer; Bylina, Edward; Coleman, William J.

PA Hercules Incorporated, USA

SO PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001062938	A2	20010830	WO 2001-US5732	20010221
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 2001051369	A1	20011213	US 2001-782906	20010214
	US 6498026	B2	20021224		
	EP 1259619	A2	20021127	EP 2001-912946	20010221
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRAI	US 2000-185001P	P	20000225		
	US 2001-782906	A	20010214		
	WO 2001-US5732	W	20010221		

AB The present invention relates to **mutant** galactose oxidase genes (mgo's) encoding **variant** galactose oxidase (vGO's) which are superior to wild type GO in terms of efficiency of oxidizing guar and other compds., as well as in conferring improved thermostability. The invention also relates to constructs and recombinant host cells incorporating the genes and antibodies to the polypeptides. The invention is useful in oxidation of guar gum, which results in formation of oxidized guar used in paper manufacturing